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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Mikal Dreggevik

TITLE: METHOD AND DEVICE FOR THE CONTROLLED
DISCONNECTION OF A WIRELINE

AMENDED CLAIMS

1. (currently amended) A method for controlling the disconnection of a wireline (4), of the kind used in wireline operations in a wellbore, from a wireline tool (8), the wireline (4) being provided with a conductor (6) arranged to communicate signals, ~~characterized in that~~ wherein the signals are monitored at the wireline tool (8) by means of a lower monitoring and control circuit (24), and by disappearance of signals from the surface the lower monitoring and control circuit (24) activates a disconnect device (12) after a predetermined time, the disconnect device (12) being arranged to disconnect the wireline (4) from the wireline tool (8).

2. (currently amended) A method according to claim 1, ~~characterized in that~~ wherein the disconnection can be activated or interrupted from a surface located monitoring and control unit (18).

3. (currently amended) A method according to claim 2, ~~characterized in that~~ wherein the signals are monitored by the surface located monitoring and control unit (18), which gives a warning on activation of a disconnecting operation.

4. (currently amended) A device for controlling the disconnection of a wireline (4), of the kind used in wireline operations in a wellbore, from a wireline tool (8), the wireline (4) being provided with a conductor (6) arranged to communicate signals, ~~characterized in that~~ wherein a lower monitoring and control circuit (24) disposed at the wireline tool (8) is arranged to monitor the

signals on the conductor (6) and by disappearance of signals from the surface to activate, after a predetermined time, a disconnect device (12) which is arranged to disconnect the wireline (4) from the wireline tool (8).